

Export Controlled Chemicals, including mixtures and compounds

ALL High Explosives and their Precursors Are Export Controlled

Note that mixtures in which at least one of the chemicals listed below constitutes 30 percent or more of the weight of the mixture are also controlled.

- 1,1-Diethylhydrazine nitrate (DEHN)/ 1,2-Diethylhydrazine nitrate (DEHN) (CAS 363453-17-2)
- 1,1-Dimethylhydrazinium azide (CAS 227955-52-4)/
- 1,2-Dimethylhydrazinium azide (CAS 299177-50-7)
- 2 Nitrodiphenylamine (2-NDPA)
- 2-Chloroethanol (CAS 107-07-3)
- 2-hydroxyethylhydrazine nitrate (HEHN)
- 3-Hydroxyl-1-methylpiperidine (CAS 3554-74-3)
- 3-Quinuclidinol (CAS 1619-34-7)
- 3-Quinuclidone (CAS 3731-38-2)
- 3,6-dihydrazino tetrazine nitrate (DHTN), also referred to as 1,4-dihydrazine nitrate.
- Allylhydrazine (CAS 7422-78-8)
- Ammonium hydrogen fluoride (CAS 1341-49-7)
- Ammonium nitrate (including fertilizers) containing more than 15% by weight ammonium nitrate
- Arsenic trichloride (CAS 7784-34-1)
- Benzoic acid (CAS 76-93-7)
- Carboxy-terminated polybutadiene (including carboxyl-terminated polybutadiene) (CTPB)
- Chemicals containing a phosphorus atom to which is bonded one methyl, ethyl, or propyl (normal or iso) group but not further carbon atoms.
- Chlorine trifluoride (ClF₃)
- Chloropicrin: Trichloronitromethane (CAS 76-06-2)
- Cyanogen chloride (CAS 506-77-4)
- Di-isopropylamine (CAS 108-18-9)
- Diethyl chlorophosphite (CAS 589-57-1)
- Diethyl ethylphosphonate (CAS 78-38-6)
- Diethyl methylphosphonate (CAS 683-08-9)
- Diethyl methylphosphonite (CAS 15715-41-0)
- Diethyl phosphite (CAS 762-04-9)
- Diethyl-N,N-dimethylphosphoramidate (CAS 2404-03-7)
- Diethylamine (CAS 109-89-7)
- Diethylene glycol dinitrate (DEGDN).
- Diimido oxalic acid dihydrazine (CAS 3457-37-2)
- Dimethyl ethylphosphonate (CAS 6163-75-3)

- Dimethyl methylphosphonate (CAS 756-79-6)
- Dimethyl phosphite (dimethyl hydrogen phosphite) (CAS 868-85-9)
- Dimethylamine (CAS 124-40-3)
- Dimethylamine hydrochloride (CAS 506-59-2)
- Dinitrogen pentoxide (CAS 10102-03-1)
- Dinitrogen trioxide (CAS 10544-73-7)
- Ethyl chlorofluorophosphate (CAS 762-77-6)
- Ethyl dichlorophosphate (CAS 1498-51-7)
- Ethyl difluorophosphate (CAS 460-52-6)
- Ethyl phosphonous dichloride [Ethyl phosphinyl dichloride] (CAS 1498-40-4)
- Ethyl phosphonus difluoride [Ethyl phosphinyl difluoride] (CAS 430-78-4)
- Ethyl phosphoryl dichloride (CAS 1066-50-8)
- Ethyldiethanolamine. (CAS 139-87-7)
- Ethylene dihydrazine (CAS 6068-98-0)
- FAMILY: Dialkyl (Me, Et, n-Pr or i-Pr) N,N-dialkyl (Me, Et, n-Pr, or i-Pr)-phosphoramidates
- FAMILY: N,N-Dialkyl (Me, Et, n-Pr or i-Pr) aminoethane-2-ols and corresponding protonated salts
- FAMILY: N,N-Dialkyl (Me, Et, n-Pr or i-Pr) aminoethane-2-thiols and corresponding protonated salts.
- FAMILY: N,N-Dialkyl (Me, Et, n-Pr or i-Pr) aminoethyl-2-chlorides and corresponding protonated salts
- FAMILY: N,N-Dialkyl (Me, Et, n-Pr or i-Pr) phosphoramidic dihalides
- Fluorine
- Guanidine nitrate (CAS 506-93-4)
- Helium-3 (3He), including mixtures, products or devices containing 3He
- Hydrazine (CAS 302-01-2) in concentrations of 70% or more
- Hydrazinium azide (CAS 14546-44-2)
- Hydrazinium dinitrate (CAS 13464-98-7)
- Hydrazinium diperchlorate (CAS 13812-39-0)
- Hydrogen cyanide (CAS 74-90-8)
- Hydrogen fluoride (CAS 7664-39-3)
- Hydroxy-terminated polybutadiene (including hydroxyl-terminated polybutadiene) (HTPB)
- Methyl benzilate (CAS 76-89-1)
- Methyl chlorofluorophosphate (CAS 754-01-8)
- Methyl dichlorophosphate (CAS 677-24-7)
- Methyldiethanolamine (CAS 105-59-9)
- Methyl difluorophosphate (CAS 22382-13-4)
- Methylhydrazine nitrate (MHN) (CAS 29674-96-2)
- Methylphosphonic acid (CAS 993-13-5)
- Methylphosphonothioic dichloride. (CAS 676-98-2)
- Mixed oxides of nitrogen (MON) {solutions of nitric oxide (NO) in dinitrogen tetroxide/nitrogen dioxide}
- Monomethyl hydrazine (MMH) (CAS 60-34-4)

- Monomethylhydrazine dinitrate
- N,N diallylhydrazine (CAS 5164-11-4)
- N,N-Diethylacetamide (CAS 14277-06-6)
- N,N-Diethylaminoethanol (CAS 100-37-8)
- N,N-Diethylbutanamide (CAS 53510-30-8)
- N,N-Diethylformamide (CAS 90324-67-7)
- N,N-Diethylisobutanamide (CAS 1342789-47-2)
- N,N-Diethylpropanamide (CAS 84764-73-8)
- N,N-Diisopropylamino ethanethiol hydrochloride (C.A.S. #41480-75-5)
- N,N-Diisopropyl-beta-aminoethane thiol (CAS 5842-07-9)
- N,N-Diisopropyl-beta-aminoethanol (CAS 96-80-0)
- N,N-Diisopropyl-beta-aminoethyl chloride (CAS 96-79-7)
- N,N-Diisopropyl-beta-aminoethyl chloride hydrochloride (CAS 4261-68-1)
- N,N-Diisopropylbutanamide (CAS 1315467-17-4)
- N,N-Diisopropylformamide (CAS 857522-08-8)
- N,N-Dimethylacetamide (CAS 2909-14-0)
- N,N-dimethylamino-phosphoryl dichloride (CAS 677-43-0)
- N,N-Dimethylbutanamide (CAS 1340437-35-5)
- N,N-Dimethylformamide (CAS 44205-42-7)
- N,N-Dimethylisobutanamide (CAS 321881-25-8)
- N,N-Dimethylpropanamide (CAS 56776-14-8)
- N,N-Dipropylacetamide (CAS 1339586-99-0)
- N,N-Dipropylbutanamide (CAS 1342422-35-8)
- N,N-Dipropylformamide (CAS 48044-20-8)
- N,N-Dipropylisobutanamide (CAS 1342700-45-1)
- N,N-Dipropylpropanamide (CAS 1341496-89-6)
- Nitric acid in concentrations of 20 weight percent or greater
- Nitrocellulose with nitrogen content greater than 12.6%
- Nitrogen dioxide (CAS 10102-44-0) / Dinitrogen tetroxide (CAS 10544-72-6)
- Nitrogen trifluoride (NF3) in a gaseous state
- Nitroguanidine (CAS 556-88-7)
- O,O-diethyl phosphorodithioate (CAS 298-06-6)
- O,O-diethyl phosphorothioate (CAS 2465-65-8)
- PFIB: 1,1,3,3,3-Pentafluoro-2-(trifluoromethyl)-1-propene (CAS 382-21-8)
- Phosgene: Carbonyl dichloride (CAS 75-44-5)
- Phosphorus oxychloride (CAS 10025-87-3)
- Phosphorus pentachloride (CAS 10026-13-8)
- Phosphorus pentasulfide (CAS 1314-80-3)
- Phosphorus trichloride (CAS 7719-12-2)
- Pinacolone (CAS 75-97-8)
- Pinacolyl alcohol (CAS 464-07-3)
- Polybutadiene acrylic acid (PBAA)
- Polybutadiene acrylic acid acrylonitrile (PBAN) (CAS 25265-19-4/CAS 68891-50-9)
- Polytetrahydrofuran polyethylene glycol (TPEG).

- Potassium bifluoride (CAS 7789-29-9)
- Potassium cyanide (CAS 151-50-8)
- Potassium fluoride (CAS 7789-23-3)
- Radionuclides (as specified), and products or devices containing such
- Sodium bifluoride (CAS 1333-83-1)
- Sodium cyanide (CAS 143-33-9)
- Sodium fluoride (CAS 7681-49-4)
- Sodium hexafluorosilicate (CAS 16893-85-9)
- Sodium sulfide (CAS 1313-82-2)
- Sulfur dichloride (CAS 10545-99-0)
- Sulfur monochloride (CAS 10025-67-9)
- Symmetrical dimethyl hydrazine (SDMH) (CAS 540-73-8)
- Tetramethylhydrazine (CAS 6415-12-9)
- Thiodiglycol (CAS 111-48-8)
- Thionyl chloride (CAS 7719-09-7)
- Tri-isopropyl phosphite (CAS 116-17-6)
- Tributyl phosphate
- Triethanolamine (CAS 102-71-6)
- Triethanolamine hydrochloride (CAS 637-39-8)
- Triethyl phosphite (CAS 122-52-1)
- Triethylene glycol dinitrate (TEGDN)
- Trimethyl phosphite (CAS 121-45-9)
- Trimethylhydrazine (CAS 1741-01-1)
- Trimethylolethane trinitrate (TMETN)
- Tritium, including certain compounds, mixtures, products or devices
- Unsymmetrical dimethyl hydrazine (UDMH) (CAS 57-14-7)
- Unsymmetrical dimethylhydrazine nitrate

All explosives, propellants, oxidizers, pyrotechnics, fuels, binders, or additives that are designed for military application, including the following:

- 1,3,5-trichlorobenzene (CAS 108-70-3); or
- 1,2,4-trihydroxybutane (1,2,4-butanetriol) (CAS 3068-00-6).
- 3-Nitroaza-1,5-pentane diisocyanate (CAS 7406-61-9);
- 3-Quinuclidinyl benzilate (BZ) (CAS 6581-06-2) (CWC Schedule 2A);
- 4,5 diazidomethyl-2-methyl-1,2,3-triazole (iso-DAMTR)
- Adamsite (Diphenylamine chloroarsine or DM) (CAS 578-94-9);
- ADN (ammonium dinitramide or SR-12) (CAS 140456-78-6) (MT);
- ADNBF (aminodinitrobenzofuroxan or 7-Amino 4,6-dinitrobenzofurazane-1-oxide) (CAS 97096-78-1);
- Agent Orange (2,4,5-Trichlorophenoxyacetic acid mixed with 2,4-dichlorophenoxyacetic acid);
- Alkyl (Methyl, Ethyl, n-Propyl or Isopropyl) phosphonyl difluorides, such as: DF: Methyl Phosphonyldifluoride (CAS 676-99-3) (CWC Schedule 1B); Methylphosphinyldifluoride;

- Amiton: O,O-Diethyl S- [2(diethylamino)ethyl] phosphorothiolate and corresponding alkylated or protonated salts (CAS 78–53–5) (CWC Schedule 2A);
- AMMO (azidomethylmethyloxetane and its polymers) (CAS 90683-29-7);
- AP (ammonium perchlorate) (CAS 7790-98-9) (MT);
- Alane (aluminum hydride) (CAS 7784-21-6);
- BAMO-3-3 (bis(azidomethyl)oxetane and its polymers) (CAS 17607-20-4);
- Basic copper salicylate (CAS 62320-94-9);
- BCMO (3,3-bis(chloromethyl)oxetane) (CAS 78-71-7);
- BDNPN (bis(2,2-dinitropropyl)nitrate) (CAS 28464-24-6);
- BHEGA (Bis-(2-hydroxyethyl)glycolamide) (CAS 17409-41-5);
- BNCP (cis-bis(5-nitrotetrazolato) tetra amine-cobalt (III) perchlorate) (CAS 117412-28-9);
- BNO (Butadienenitrile oxide);
- Bromo acetone;
- Bromo methylethylketone;
- BTTN (butanetriol trinitrate) (CAS 6659-60-5) (MT);
- CA (Bromobenzyl cyanide) (CAS 5798–79–8);
- Carboranes; decaborane (CAS 17702-41-9); pentaborane and derivatives thereof (MT);
- Certain bonding agents, as follows (MT):
 - o (i) 1,1R,1S-trimesoyl-tris(2-ethylaziridine) (HX-868, BITA) (CAS 7722-73-8); or
 - o (ii) Polyfunctional aziridine amides with isophthalic, trimesic, isocyanuric, or trimethyladipic backbone also having a 2-methyl or 2-ethyl aziridine group, including (1) 1,1HIsophthaloyl-bis(2-methylaziridine) (HX-752) (CAS 7652-64-4); (2) 2,4,6-tris(2-ethyl-1-aziridinyl)-1,3,5-triazine (HX-874) (CAS 18924-91-9); and (3) 1,1'-trimethyladipoylbis(2-ethylaziridine) (HX-877) (CAS 71463-62-2).
- Chlorosarin: O-Isopropyl methylphosphonochloridate (CAS 1445–76–7) (CWC Schedule 1B);
- Chlorosoman: O-Pinakolyl methylphosphonochloridate (CAS 7040–57–5) (CWC Schedule 1B);
- CL-14 (diaminodinitrobenzofuroxan or 5,7-diamino-4,6-dinitrobenzofurazane-1-oxide) (CAS 117907-74-1);
- CL-20 (HNIW or Hexanitrohexaazaisowurtzitane) (CAS 135285-90-4); clathrates of CL-20 (MT for CL-20);
 - o CL-20 precursors (any molecule containing hexaazaisowurtzitane) (e.g., HBIW (hexabenzylhexaazaisowurtzitane), TAIW (tetraacetyldibenzylhexaazaisowurtzitane));
- CN (Phenylacetyl chloride or w-Chloroacetophenone) (CAS 532–27-4);
- CP (2-(5-cyanotetrazolato) penta aminocobalt (III) perchlorate) (CAS 70247-32-4);
- CR (Dibenz-(b,f)-1,4-oxazepine) (CAS 257–07–8);
- CS (o-Chlorobenzylidenemalononitrile or o-Chlorobenzalmalononitrile) (CAS 2698–41–1);
- DADE (1,1-diamino-2,2-dinitroethylene, FOX-7) (CAS 145250-81-3);
- DADN (1,5-diacetyl-3,7-dinitro-1, 3, 5, 7-tetraazacyclooctane);
- DATB (Diaminotrinitrobenzene) (CAS 1630-08-6);

- DC: Methylphosphonyl dichloride (CAS 676-97-1) (CWC Schedule 2B); Methylphosphinyldichloride;
- DDFP (1,4-dinitrodifurazanopiperazine);
- DDPO (2,6-diamino-3,5-dinitropyrazine-1-oxide, PZO) (CAS 194486-77-6);
- Dibromodimethyl ether (CAS 4497-29-4);
- Dichlorodimethyl ether (ClCi) (CAS 542-88-1);
- Dinitroazetidine-t-butyl salt (CAS 125735-38-8);
- Dinitropropyl based plasticizers, as follows (MT):
 - o (i) BDNPA (bis (2,2-dinitropropyl) acetal) (CAS 5108-69-0);
 - o (ii) BDNPF (bis (2,2-dinitropropyl) formal) (CAS 5917-61-3).
- DIPAM (3,3'-Diamino-2,2',4,4',6,6'-hexanitrobiphenyl or dipicramide) (CAS 17215-44-0);
- Diphenylchloroarsine (DA) (CAS 712-48-1);
- Diphenylcyanoarsine (DC);
- DNAD (1,3-dinitro-1,3-diazetidone) (CAS 78246-06-7);
- DNAN (2,4-Dinitroanisole) (CAS 119-27-7);
- DNGU (DINGU or dinitroglycoluril) (CAS 55510-04-8);
- Energetic ionic materials melting between 343 K (70 °C) and 373 K (100 °C) and with detonation velocity exceeding 6800 m/s or detonation pressure exceeding 18 GPa (180 kbar); or
- Ethyldibromoarsine (CAS 683-43-2);
- Ethyldichloroarsine (ED);
- Ethyl iodoacetate;
- Explosives, not otherwise enumerated in this paragraph or on the CCL in ECCN 1C608, with a detonation velocity exceeding 8700 m/s at maximum density or a detonation pressure exceeding 34 Gpa (340 kbar).
- FAMA0 (3-difluoroaminomethyl-3-azidomethyloxetane) and its polymers;
- FEFO (bis(2-fluoro-2,2-dinitroethyl)formal) (CAS 17003-79-1);
- Ferrocene derivatives, as follows (MT):
 - o (i) Butacene (CAS 125856-62-4);
 - o (ii) Catocene (2,2-Bis-ethylferrocenylpropane) (CAS 37206-42-1);
 - o (iii) Ferrocene carboxylic acids and ferrocene carboxylic acid esters;
 - o (iv) n-butylferrocene (CAS 31904-29-7);
 - o (v) Ethylferrocene (CAS 1273-89-8);
 - o (vi) Propylferrocene;
 - o (vii) Pentylferrocene (CAS 1274-00-6);
 - o (viii) Dicyclopentylferrocene;
 - o (ix) Dicyclohexylferrocene;
 - o (x) Diethylferrocene (CAS 173-97-8);
 - o (xi) Dipropylferrocene;
 - o (xii) Dibutylferrocene (CAS 1274-08-4);
 - o (xiii) Dihexylferrocene (CAS 93894-59-8);
 - o (xiv) Acetylferrocene (CAS 1271-55-2)/1,1'-diacetyl ferrocene (CAS 1273-94-5); or

- (xv) Other ferrocene derivatives that do not contain a six carbon aromatic functional group attached to the ferrocene molecule (MT if usable as rocket propellant burning rate modifier);
- FPF-1 (poly-2,2,3,3,4,4-hexafluoro pentane-1,5-diolformal) (CAS 376-90-9);
- FPF-3 (poly-2,4,4,5,5,6,6-heptafluoro-2-trifluoromethyl-3-oxaheptane-1,7-diolformal);
- Fuel mixtures or pyrotechnic mixtures, which contain any of the following:
 - Boron (CAS 7440-42-8) or boron carbide (CAS 12069-32-8) fuels of 85% purity or higher and particle sizes of less than 60 micrometers; or
 - Zirconium (CAS 7440-67-7), magnesium (CAS 7439-95-4), or alloys of these in particle sizes of less than 60 micrometers;
- Fuel, pyrotechnic, or energetic mixtures having any nanosized aluminum, beryllium, boron, zirconium, magnesium, or titanium, and meeting certain criteria
- Furazans, as follows:
 - (i) DAAOF (DAAF, DAAFox, or diaminoazoxyfurazan);
 - (ii) DAAzF (diaminoazofurazan) (CAS 78644-90-3);
 - (iii) ANF (Furazanamine, 4-nitro- or 3-Amino-4-nitrofurazan; 4-Nitro-1,2,5-oxadiazol-3-amine; or 4-Nitro-3-furazanamine; CAS 66328-69-6); or
 - (iv) ANAzF (Aminonitroazofurazan or 1,2,5-Oxadiazol-3-amine, 4-[2-(4-nitro-1,2,5-oxadiazol-3-yl) diazenyl]; or 1,2,5-Oxadiazol-3-amine, 4-[(4-nitro-1,2,5-oxadiazol-3-yl)azo]-(9Cl); or Furazanamine, 4-[(nitrofurananyl)azo]-; or 4-[(4-Nitro-1,2,5-oxadiazol-3-yl)azo]-1,2,5-oxadiazol-3-amine) (CAS 155438-11-2);
- GAP (glycidyl azide polymer) (CAS 143178-24-9) and its derivatives;
- GUDN (Guanylurea dinitramide) FOX-12 (CAS 217464-38-5);
- HAN (Hydroxylammonium nitrate) (CAS 13465-08-2);
- HAP (hydroxylammonium perchlorate) (CAS 15588-62-2);
- HMX and derivatives, as follows:
 - (i) HMX (Cyclotetramethylenetetranitramine; octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazine; 1,3,5,7-tetranitro-1,3,5,7-tetraza-cyclooctane; octogen, octogene) (CAS 2691-41-0)
 - (ii) Difluoroaminated analogs of HMX; or
 - (iii) K-55 (2,4,6,8-tetranitro-2,4,6,8-tetraazabicyclo [3,3,0]-octanone-3, tetranitrosemiglycouril, or keto-bicyclic HMX) (CAS 130256-72-3);
- HNAD (hexanitroadamantane) (CAS 143850-71-9);
- HNF (Hydrazinium nitroformate) (CAS 20773-28-8)
- HNS (hexanitrostilbene) (CAS 20062-22-0);
- HTPB (hydroxyl-terminated polybutadiene) with a hydroxyl functionality equal to or greater than 2.2 and less than or equal to 2.4, a hydroxyl value of less than 0.77 meq/g, and a viscosity at 30 °C of less than 47 poise (CAS 69102-90-5)
- Hydrazine nitrate (CAS 37836-27-4) (MT);
- Hydrazine perchlorate (CAS 27978-54-7) (MT);
- Hydrocarbon fuels specially formulated for use in flame throwers or incendiary munitions containing metal stearates (e.g., octal) or palmitates, and M1, M2, and M3 thickeners.
- Iodo acetone;

- Imidazoles, as follows:
 - o (i) BNNII (Octahydro-2,5-bis(nitroimino) imidazo [4,5-d]imidazole);
 - o (ii) DNI (2,4-dinitroimidazole) (CAS 5213-49-0);
 - o (iii) FDIA (1-fluoro-2,4-dinitroimidazole);
 - o (iv) NTDNIA (N-(2-nitrotriazolo)-2,4-dinitro-imidazole); or
 - o (v) PTIA (1-picryl-2,4,5-trinitroimidazole);
- Inhibited red fuming nitric acid (IRFNA) (CAS 8007-58-7) and liquid oxidizers comprised of or containing IRFNA or oxygen difluoride (MT for liquid oxidizers comprised of IRFNA);
- Iron oxide, superfine, (Fe₂O₃, hematite) with a specific surface area more than 250 m²/g and an average particle size of 0.003 micrometers or less (CAS 1309-37-1);
- Lead beta-resorcylate (CAS 20936-32-7);
- Lead citrate (CAS 14450-60-3);
- Lead-copper chelates of beta-resorcylate or salicylates (CAS 68411-07-4);
- Lead maleate (CAS 19136-34-6);
- Lead salicylate (CAS 15748-73-9);
- Lead stannate (CAS 12036-31-6);
- Lewisites, such as: 2-chlorovinyl dichloroarsine (CAS 541-25-3) (CWC Schedule 1A); Tris (2-chlorovinyl) arsine (CAS 40334-70-1) (CWC Schedule 1A); Bis (2-chlorovinyl) chloroarsine (CAS 40334-69-8) (CWC Schedule 1A);
- Liquid high energy density fuels that meet certain criteria
- LNF (Butyl 2-chloro-4-fluorophenoxyacetate)
- Low (less than 10,000) molecular weight, alcoholfunctionalized, poly(epichlorohydrin); poly(epichlorohydrindiol); and triol; or
- MAPO (tris-1-(2-methyl) aziridinylphosphine oxide) (CAS 57-39-6); BOBBA-8 (bis(2-methyl aziridinyl)-2-(2-hydroxypropanoxy) propylamino phosphine oxide); and other MAPO derivatives
- Methyl BAPO (Bis(2-methyl aziridinyl)methylaminophosphine oxide) (CAS 85068-72-0);
- Methyl dichloroarsine (MD);
- Metal fuels, and fuel or pyrotechnic mixtures containing:
 - o Beryllium (CAS 7440-41-7) in particle sizes of less than 60 micrometers (MT); or
 - o (B) Iron powder (CAS 7439-89-6) with particle size of 3 micrometers or less produced by reduction of iron oxide with hydrogen;
- N-methyl-p-nitroaniline (MT);
- NENAS (nitrate ethylnitramine compounds), as follows:
 - o (i) N-Methyl 2-nitrate ethylnitramine (Methyl-NENA) (CAS 17096-47-8) (MT);
 - o (ii) N-Ethyl 2-nitrate ethylnitramine (Ethyl-NENA) (CAS 85068-73-1) (MT);
 - o (iii) N-Propyl 2-nitrate ethylnitramine (CAS 82486-83-7);
 - o (iv) N-Butyl-2-nitrate ethylnitramine (BuNENA) (CAS 82486-82-6); or
 - o (v) N-Pentyl 2-nitrate ethylnitramine (CAS 85954-06-9);
- Nitrogen mustards, such as: HN1: bis (2-chloroethyl) ethylamine (CAS 538-07-8) (CWC Schedule 1A); HN2: bis (2-chloroethyl) methylamine (CAS 51-75-2) (CWC Schedule 1A); HN3: tris (2-chloroethyl)amine (CAS 555-77-1) (CWC Schedule 1A);
- NTNMH (1-(2-nitrotriazolo)-2-dinitromethylene hydrazine);
- NTO (ONTA or 3-nitro-1,2,4-triazol-5-one) (CAS 932-64-9);

- O-Alkyl (equal to or less than C10, including cycloalkyl) alkyl (Methyl, Ethyl, n-Propyl or Isopropyl)phosphonofluoridates, such as: Sarin (GB): O-Isopropyl methylphosphonofluoridate (CAS 107–44–8) (CWC Schedule 1A); and Soman (GD): Pinacolyl methylphosphonofluoridate (CAS 96–64–0) (CWC Schedule 1A);
- O-Alkyl (equal to or less than C10, including cycloalkyl) N,N-dialkyl (Methyl, Ethyl, n-Propyl or Isopropyl) phosphoramidocyanidates, such as: Tabun (GA): O-Ethyl N, Ndimethylphosphoramidocyanidate (CAS 77– 81–6) (CWC Schedule 1A);
- O-Alkyl (H or equal to or less than C10, including cycloalkyl) S–2-dialkyl (Methyl, Ethyl, n-Propyl or Isopropyl)aminoethyl alkyl (Methyl, Ethyl, n-Propyl or Isopropyl) phosphonothiolates and corresponding alkylated and protonated salts, such as: VX: O-Ethyl S-2-diisopropylaminoethyl methyl phosphonothiolate (CAS 50782–69–9) (CWC Schedule 1A);
- O-Alkyl (H or equal to or less than C10, including cycloalkyl) O–2-dialkyl (methyl, ethyl, n-Propyl or isopropyl)aminoethyl alkyl (methyl, ethyl, N-propyl or isopropyl) phosphonite and corresponding alkylated and protonated salts, such as: QL: O-Ethyl-2-di-isopropylaminoethyl methylphosphonite (CAS 57856–11–8) (CWC Schedule 1B);
- Organo-metallic coupling agents, as follows:
 - o (i) Neopentyl[diallyl]oxy, tri [dioctyl] phosphatotitanate (CAS 103850-22-2); also known as titanium IV, 2,2[bis 2-propenolato-methyl, butanolato, tris (dioctyl) phosphato] (CAS 110438-25-0), or LICA 12 (CAS 103850-22-2);
 - o (ii) Titanium IV, [(2-propenolato-1) methyl, npropanolatomethyl] butanolato-1, tris(dioctyl)pyrophosphate, or KR3538; or
 - o (iii) Titanium IV, [(2-propenolato-1)methyl, propanolatomethyl] butanolato-1, tris(dioctyl) phosphate;
- PCDE (Polycyanodifluoroaminoethylene oxide);
- Perchlorates, chlorates, and chromates composited with powdered metal or other high energy fuel components controlled under this category (MT).
- PGN (Polyglycidyl nitrate or poly(nitratomethyloxirane); poly-GLYN); (CAS 27814-48-8);
- Phenylcarbylamine chloride;
- Poly-NIMMO (poly nitratomethylmethyoxetane, poly-NMMO, (poly[3-nitratomethyl-3-methyl oxetane]) (CAS 84051-81-0);
- Polynitrocubanes with more than four nitro groups;
- Polynitrothocarbonates;
- PNO (Poly(3-nitratooxetane));
- Propellants (various), that meet certain criteria
- PYX (2,6-Bis(picrylamino)-3,5-dinitropyridine) (CAS 38082-89-2);
- Pyrotechnic and pyrophoric materials, meeting certain criteria
- RDX and derivatives, as follows:
 - o (i) RDX (cyclotrimethylenetrinitramine), cyclonite, T4,hexahydro-1,3,5-trinitro-1,3,5-triazine, 1,3,5-trinitro-1,3,5-triaza-cyclohexane, hexogen, or hexogene) (CAS 121-82-4)
 - o (ii) Keto-RDX (K-6 or 2,4,6-trinitro-2,4,6-triazacyclohexanone) (CAS 115029-35-1);
 - o (iii) Difluoraminated derivative of RDX; 1,3-Dinitro-5,5-bis(difluoramino)1,3-diazahexane (CAS No. 193021-34-0);

- Sulfur mustards, such as: 2-Chloroethylchloromethylsulfide (CAS 2625–76–5) (CWC Schedule 1A); Bis(2-chloroethyl)sulfide (CAS 505–60–2) (CWC Schedule 1A); Bis(2-chloroethylthio)methane (CAS 63839–13–6) (CWC Schedule 1A); 1,2-bis (2-chloroethylthio)ethane (CAS 3563–36–8) (CWC Schedule 1A); 1,3-bis (2-chloroethylthio)-n-propane (CAS 63905–10–2) (CWC Schedule 1A); 1,4-bis (2-chloroethylthio)-n-butane (CWC Schedule 1A); 1,5-bis (2-chloroethylthio)-n-pentane (CWC Schedule 1A); Bis (2-chloroethylthiomethyl)ether (CWC Schedule 1A); Bis (2-chloroethylthioethyl)ether (CAS 63918–89–8) (CWC Schedule 1A);
- TAGN (Triaminoguanidinenitrate) (CAS 4000-16-2);
- TAT (1, 3, 5, 7-tetraacetyl-1, 3, 5, 7-tetraazacyclooctane) (CAS 41378-98-7);
- TATB (Triaminotrinitrobenzene) (CAS 3058-38-6);
- TEDDZ (3,3,7,7-tetrakis(difluoroamine) octahydro-1,5-dinitro-1,5-diazocine);
- Tetraazadecalin (CAS 5409-42-7);
- Tetrazines, as follows:
 - o (i) BTAT (Bis(2,2,2-trinitroethyl)-3,6-diaminotetrazine); or
 - o (ii) LAX-112 (3,6-diamino-1,2,4,5-tetrazine-1,4-dioxide);
- Tetrazoles, as follows:
 - o (i) NTAT (nitrotriazolaminotetrazole); or
 - o (ii) NTNT (1-N-(2-nitrotriazolo)-4-nitrotetrazole);
- Tetryl (trinitrophenylmethylnitramine) (CAS 479-45-8);
- TEPAN (HX-879) (tetraethylenepentaamineacrylonitrile) (CAS 68412-45-3);
cyanoethylated polyamines and their salts
- TEPANOL (HX-878) (tetraethylenepentaamineacrylonitrileglycidol) (CAS 68412-46-4);
cyanoethylated polyamines adducted with glycidol and their salts (MT for TEPANOL (HX-878));
- TEX (4,10-Dinitro-2,6,8,12-tetraoxa-4,10-diazaisowurtzitane);
- Titanium subhydride (TiH_n) of stoichiometry equivalent to n = 0.65-1.68; or
- TNAD (1,4,5,8-tetranitro-1,4,5,8-tetraazadecalin) (CAS 135877-16-6);
- TNAZ (1,3,3-trinitroazetidine) (CAS 97645-24-4);
- TNGU (SORGUYL or tetranitroglycoluril) (CAS 55510-03-7);
- TNP (1,4,5,8-tetranitro-pyridazino [4,5-d] pyridazine) (CAS 229176-04-9);
- TPB (triphenyl bismuth) (CAS 603-33-8) (MT); or
- Triazines, as follows:
 - o (i) DNAM (2-oxy-4,6-dinitroamino-s-triazine) (CAS 19899-80-0); or
 - o (ii) NNHT (2-nitroimino-5-nitro-hexahydro-1,3,5 triazine) (CAS 130400-13-4);
- Triazoles, as follows:
 - o (i) 5-azido-2-nitrotriazole;
 - o (ii) ADHTDN (4-amino-3,5-dihydrazino-1,2,4-triazole dinitramide) (CAS 1614-08-0);
 - o (iii) ADNT (1-amino-3,5-dinitro-1,2,4-triazole);
 - o (iv) BDNTA (Bis(dinitrotriazole)amine);
 - o (v) DBT (3,3'-dinitro-5,5-bi-1,2,4-triazole) (CAS 30003-46-4);
 - o (vi) DNBT (dinitrobistriazole) (CAS 70890-46-9);
 - o (vii) NTDNT (1-N-(2-nitrotriazolo) 3,5-dinitro-triazole);

- (viii) PDNT (1-picryl-3,5-dinitrotriazole); or
 - (ix) TACOT (tetranitrobenzotriazolobenzotriazole) (CAS 25243-36-1);
- Tris (ethoxyphenyl) bismuth (TEPB) (CAS 90591-48-3).
- TVOPA 1,2,3-Tris [1,2-bis(difluoroamino)ethoxy]propane; tris vinyloxy propane adduct (CAS 53159-39-0)